

## **Program Description/Textbook or Print Instructional Material**

Vendor: Delmar Learning Web Address: www.delmar.com

Title: Automotive Service: Inspection, Maintenance, and Repair

Author: Gilles Copyright: 2004

ISBN: 1-4018-1234-1 Course/Content Area: Vocational and Career Education; Industrial Technology; Automotive Technology

Intended Grade or Level: 9-12 Readability Level: 8.8 (Flesch Kincaid)

List Price: 86.95 Lowest Wholesale Price: 64.50

*All materials bid as of July 1, 2003 must be offered in an alternative format for students who require reading accommodations. A description of the levels of accommodation is included on p. 8-9 of this bid packet. The Kentucky Department of Education must receive a copy of the alternative format if the material is placed on the State Multiple List.*

Level of Accommodations (Level One, Two or Three) Level Three

If Level Two or Three, please provide rationale for not meeting Level One Compliance It is not financially feasible for our products to meet Level One at this time.

## **FEATURES**

**DISCLAIMER:** The features of each book or program were developed by the publisher and do not reflect the opinion of the State Review Team, State Textbook Commission, nor of the Kentucky Department of Education.

### **Content**

- all-new chapters provide access to must-know information about exciting technologies that are revolutionizing the automotive service industry including:
- revolutionary on-board diagnostics
  - anti-lock brakes
  - state-of-the-art traction control
  - the latest in comfort and safety systems (including both passive and active restraints)
- attention-grabbing science, math, computer, and history notes showcase the relevance of applied academics in the careers of today's successful automotive service technicians

### **Student Experiences**

- All-new, full-color photographs have been added to maintain the reader's interest and improve comprehension!
- a comprehensive, Spanish/English glossary promotes understanding, enabling readers to master the vocabulary needed for effective communication in the automotive industry

### **Assessment**

Written by an ASE Master Technician and Master Machinist, the second edition of our popular Automotive Service: Inspection, Maintenance and Repair book has been thoroughly reviewed for technical accuracy to

go along with the hundreds of all-new, full-color photographs that have been added to maintain the reader's interest and improve comprehension. Competency-based objectives, key terms lists, activities correlated to the companion Lab Manual, plus numerous review questions call attention to important concepts presented in each chapter. Shop Tips, Safety Notes, Case Histories, Cautions, and Notes are also included as helpful sign posts for readers working to acquire the system knowledge and the critical thinking skills needed to effectively inspect, maintain, and repair all make and model vehicles.

### **Organization**

- The book begins by introducing readers to a number of automotive career options, shop management basics, plus necessary tools and equipment.
- Subsequent chapters examine the theories underlying the operation of vehicle systems while equipping readers with step-by-step procedures for troubleshooting and repairing all major systems of the modern automobile
- organization that parallels ASE test areas, plus ASE-style questions at the end of each chapter, provides valuable preparation for readers seeking certification

### **Resource Materials**

#### **Gratis Items To Be Provided And Under What Conditions**

Instructor's Manual (1-4018-1237-6) Free 1 per teacher

#### **Available Ancillary Materials**

## **RESEARCH DATA AND EVIDENCE OF EFFECTIVENESS**

**DISCLAIMER:** The research data and evidence of effectiveness was provided by the publisher and does not reflect the opinion of the State Review Team, State Textbook Commission, nor the Kentucky Department of Education.

**NOTE:** *Please complete this section by indicating the research data and evidence of effectiveness or give a web site where the information is located. If there is no research data and evidence of effectiveness, please indicate “not available” in the space.*



# Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool IT Transportation Career Cluster



<b>Title: Automotive Service \$64.50</b>			
<b>Publisher: Delmar Learning</b>			
<b>Item Evaluated: Textbook &amp; Instructor Guide</b>			
<b>Copyright Date:2004</b>		<b>Evaluator: Wilson/Tomlinson</b>	
<b>Content Level: 9-12</b>		<b>Date of Evaluation 7/29/03</b>	
<b>Level of Alternative Format</b>	<b>Level 1 – Full Compliance</b>	<b>Level 2 – Provisional Compliance</b>	<b>Level 3 – Marginal Compliance</b>
This section completed by Exceptional Children Services			

## Overall Strengths and/or Weaknesses

**Disclaimer:** Comments on the strengths and/or weaknesses of each book, material or program were written by members of the State Textbook/Instructional Materials Review Team and reflect their opinions . They do not reflect the opinions of the State Textbook Commission nor the Kentucky Department of Education. In addition, the State Textbook/ Instructional Materials Review Team completed each evaluation form during the week of July 28-Aug. 1, 2003. In order to maintain the integrity of the of the review team's comments, editing was limited to spelling and punctuation.

<b>Recommendations:</b>
<input checked="" type="checkbox"/> Recommended by reviewers to State Textbook Commission
<input type="checkbox"/> Not recommended by reviewers to State Textbook Commission

**Publisher's Explanation of Reviewer's Comments:** By action of the State Textbook Commission, publishers are provided limited space, 150 words, to respond to what they may consider factual errors made by the reviewers in the evaluation.



# **Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool IT Transportation Career Cluster**



<b>Title: Automotive Service</b>		<b>Publisher Delmar Learning</b>
Technology Management Summary Data:	20 possible points	_____0___ points earned
Technology Management Comments:		
Technology Presentation/Interface Summary Data:	36 possible points	_____0___ points earned
Technology Presentation/Interface Comments:		
Content Summary Data:	84 possible points	_____40___ points earned
Content Comments:		
Instruction & Management Summary Data	52 possible points	_____43___ points earned
32Instruction & Management Comments:		
Organization & Structure Summary Data	36 possible points	_____32_____ points earned
Organization & Structure Comments:		
Resource Material Summary Data	40 possible points	_____21_____ points earned
Resource Material Comments:		



# Group V - Career /Technical & Vocational/Practical Living

## Electronic Instructional Media Review Form

### Stand Alone/Independent or Integrated Software for IT Transportation Career Cluster



Equipment (circle or change fill color)	Grade Level (circle or change fill color)	Audience (circle or change fill color)	Format (circle or change fill color)	Cost _____	
Windows	Primary	Individual	Stand Alone/Independent	_____ single copy	_____ site license
Macintosh	Intermediate	Small Group	Integrated	_____ network version	_____ school version
CD-ROM	Middle	Large Group	Supplemental	_____ lab pack of _____ copies	_____ online
DVD	High		In lieu of basal test		
Sound					
Other					

If other, explain \_\_\_\_\_

Type of Software: Check all that apply	_____ Simulation	_____ Management	_____ Interdisciplinary	_____ Problem Solving	_____ Tutorial
_____ Exploratory	_____ Creativity	_____ Drill and Practice	_____ Critical Thinking	_____ Utility	_____ Other:

Rating Scale:	3—Some of the time	1—None of the time
4—All or the time	2—Minimally	0— Not applicable

Management	Rating
Allows customizing for individual learning needs.	
Allows students to exit and resume at a later time.	
Keeps a students performance record, where needed.	
Allows control of various aspects of the software (e.g., turning sound off).	
Allows for printed reports.	
Comments:	<b>Total</b>
	<b>0</b>

Presentation/Interface	Rating
Presents material in an organized manner.	
Has consistent, easy-to-use, on-screen instructions.	
Has developmentally correct presentation format.	
Adapts to different learning environments (learning styles/multiple intelligences, etc.)	
Accessible for special needs students.	
Runs smoothly, without long delays.	
Presents easy-to-view text and graphics.	
Presents easy-to-hear and understand sounds.	
Avoids unnecessary screens, sounds, and graphics.	
Provides immediate, appropriate feedback.	
Comments:	<b>Total</b>
	<b>0</b>

Content—IT Transportation Career Cluster	Rating
Brake Systems/Lab	4
Automatic Transmission/Lab	4
Manual Transmission/Lab	4
Engine Repair/Lab	4
Computer Systems & Diagnosis/Lab	4
Basic Automotive Electronics/Lab	4
Electrical Systems/Lab	4
Introduction to Auto Body	4
Industrial Safety	0
Painting and Refinishing/Lab	4
Non-Structural Analysis and Damage Repair/Lab	0
Structural Analysis and Damage Repair/Lab	0
Mechanical Concepts	0
Fluid Power/Lab	4
Fuel Injection/Lab	4
Introduction to Small Engine Repair	4
Basic Small Engine Theory/Lab	0

Instruction and Assessment	Rating
Identifies a Sense of Purpose	3
Builds on Student Ideals	3
Engages Students	4
Develops Computer Maintenance Ideas	0
Promotes Student Thinking	4
Assesses Student Progress	4
Enhances The Learning Environment	4
Reading level is appropriate for interest and ability level of intended student group; level remains consistent throughout.	4
Commonwealth Accountability Testing System (CATS) "like" Assessment is provided	4
Variety of Assessments (diagnostic, formative, summative, open response, multiple choice, individual, small group, oral, demonstrations, presentations, self and peer performance, portfolio prompts) is included.	4
Includes activities and opportunities for integration of technology.	3
Reflects researched-based practices (e.g. hands-on activities, technology, problem-solving situations)	3
Differentiation techniques and activities suggested.	3
Comments:	<b>Total</b> <b>43</b>

<b>Rating Scale:</b>	3 – Some potential for learning	1 - Not present
4 – High potential for learning	2 – Little potential for learning	0 – Not applicable

Organization and Structure	Rating
Organization is logical and allows for spiraling of content.	4
Vocabulary and key terms are clearly defined and easily accessible within each lesson.	4
Visual illustrations (e.g. graphs, charts, models) and examples are clearly presented and content-related.	4
Illustrations and language reflect diversity (e.g. racial, ethnic, cultural, age, gender, disabilities).	0
Legible type, length of lines, spacing, and page layout and width of margins contribute to overall appearance and use.	4
Student materials seem durable and conducive to daily use.	4
Includes sufficient glossary, index and appendices.	4
Employs accurate grammar and spelling	4
Organization of material can be effectively used with Standards Based Units, Core Content and Program of Studies.	4
Comments:	<b>Total</b> <b>32</b>

Resource Materials	Rating
Teacher materials coordinate easily with student materials (e.g. additional resources included at point of need, student pages shown, integration of technology indicated)	4
Activities are included that adapt to the various learning styles, intelligences, and interest/ability levels.	4
Extension activities including adaptations and accommodations for students with special needs.	3
Resources provide objectives, background information, common student errors, hints, advice for lesson implementation and real-world connections, connections with career and/technology and references (e.g. solution manuals, study guides)	3
Suggestions are made for integration of themes and /or interdisciplinary instruction.	4
Integration opportunities suggested and examples given.	3
Teacher resources are available online.	0
Online resources available – Repeat of information in text.	0
Online resources available – Practice skills only.	0
Online resources available – New application materials.	0
Comments:	<b>Total</b> <b>21</b>
<b>Rating Scale:</b>	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable